

PUBLIC HEALTH REPORTS

VOL. 45

FEBRUARY 14, 1930

NO. 7

SICKNESS AMONG INDUSTRIAL EMPLOYEES IN THE SECOND AND THIRD QUARTERS OF 1929¹

By DEAN K. BRUNDAGE, *Associate Statistician, United States Public Health Service*

In the first three months of 1929 an influenza epidemic caused a marked increase (41 per cent) in the frequency of absence from work for more than one week on account of sickness as compared with the same quarter of the preceding year among a group of about 106,000 industrial employees.² Following the epidemic the incidence rate of illness in this group of employees fell to a level about 10 per cent below that prevailing in the second quarter of 1928. During the first 11 months of 1928 the amount of disability appears to have been about average so that comparisons are made with a normal or average year up to December, 1928, when the consequences of the epidemic began to be reflected in an increased rate for disabilities of 8 days and longer. The favorable health record for the second quarter of 1929 was due to a decreased incidence of respiratory diseases. Nonrespiratory diseases as a whole occurred at practically the same rate as in the second quarter of 1928. Among the respiratory diseases influenza and grippe fell off 50 per cent, bronchitis 11 per cent, and pneumonia 5 per cent. Of the respiratory diseases only those affecting the pharynx and tonsils appear to have been more prevalent in the spring of 1929 than in the preceding spring.

The greater-than-seasonal decline in the respiratory disease rate continued into the third quarter of 1929, although sickness and non-industrial accidents as a whole occurred 5 per cent oftener than in the corresponding period of the year before. Nonindustrial injuries were 26 per cent more frequent and nonrespiratory diseases occurred 8 per cent oftener than during July, August, and September, 1928. Diseases of the pharynx and tonsils occurred at the same rate in the third quarter of each of the two years, but influenza and grippe declined 20 per cent and bronchitis 14 per cent compared with the frequency of these diseases, respectively, in the third quarter of 1928. The pneumonia rate increased in spite of a decline in influenza with which it usually fluctuates.

¹ From the Office of Industrial Hygiene and Sanitation in cooperation with the Office of Statistical Investigations, United States Public Health Service.

² Cf. "Sickness Among Industrial Employees During the First Three Months of 1929," Public Health Reports, Sept. 13, 1929, Reprint No. 1316.

TABLE 1.—Frequency of disability lasting 8 consecutive days or longer in specified months of 1929 compared with the corresponding months of 1928 among the male employees of 13 industrial establishments which reported their cases to the United States Public Health Service during both years

Diseases causing disability (Numbers in parentheses are disease title numbers from the International List of the Causes of Death, third revision, Paris, 1920)	Annual number of disabilities per 1,000 men in—		Per cent increase or decrease in rate in 1929	Number of disabilities in—	
	1929	1928		1929	1928
SECOND QUARTER (APRIL, MAY, JUNE)					
Sickness and nonindustrial injuries.....	104.2	116.6	-11	2,860	2,987
Nonindustrial injuries.....	10.9	10.5	+4	300	270
Sickness.....	93.3	106.1	-12	2,560	2,717
Respiratory diseases.....	36.0	48.7	-26	989	1,248
Influenza and grippe (11).....	13.8	27.3	-50	379	699
Bronchitis (99).....	4.9	5.5	-11	133	141
Pneumonia, all forms (100, 101).....	3.6	3.8	-5	99	96
Diseases of the pharynx and tonsils (109).....	7.4	5.7	+30	204	147
Other respiratory diseases (31, 97, 98, 102-107).....	6.3	6.4	-2	174	165
Nonrespiratory diseases.....	57.3	57.4	0	1,571	1,469
Diseases of the stomach, diarrhea, and enteritis (111, 112, 114).....	6.4	6.5	-2	176	166
Other diseases of the digestive system (108, 110, 115-127).....	9.8	9.2	+7	270	236
Diseases of the circulatory and genito-urinary systems and annexa (87-96, 128-142).....	9.3	8.0	+16	254	206
Diseases of the nervous system (70-84).....	5.2	5.3	-2	142	136
Diseases of the skin (151-154).....	4.7	4.8	-2	128	122
Epidemic and endemic diseases, except influenza (1-10, 12-25).....	2.9	4.8	-40	79	123
Rheumatism, acute and chronic (51, 52).....	6.6	7.2	-8	181	185
Lumbago and other diseases of the organs of locomotion (158).....	3.7	4.3	-14	102	110
Ill-defined and unknown causes (205).....	3.0	1.7	+77	88	43
All other diseases (26-30, 32-37, 41-50, 53-69, 85, 86, 155-157, 159, 164).....	5.7	5.6	+2	156	142
Average number of males covered in the records.....				110,089	103,055

THIRD QUARTER (JULY, AUGUST, SEPTEMBER)

Sickness and nonindustrial injuries.....	88.3	83.8	+5	2,478	2,178
Nonindustrial injuries.....	13.2	10.5	+26	371	274
Sickness.....	75.1	73.3	+2	2,107	1,904
Respiratory diseases.....	22.7	24.8	-8	637	644
Influenza and grippe (11).....	7.4	9.3	-20	208	211
Bronchitis (99).....	3.2	3.7	-14	91	95
Pneumonia, all forms (100, 101).....	1.6	1.2	+33	44	39
Diseases of the pharynx and tonsils (109).....	4.8	4.8	0	135	126
Other respiratory diseases (31, 97, 98, 102-107).....	5.7	5.8	-2	159	152
Nonrespiratory diseases.....	52.4	48.5	+8	1,470	1,260
Diseases of the stomach, diarrhea, and enteritis (111, 112, 114).....	7.0	6.0	+17	196	156
Other diseases of the digestive system (108, 110, 115-127).....	10.3	8.7	+18	290	227
Diseases of the circulatory and genito-urinary systems and annexa (87-96, 128-136).....	8.6	6.7	+28	242	174
Diseases of the nervous system (70-84).....	5.2	4.8	+8	146	125
Diseases of the skin (151-154).....	4.6	5.6	-18	129	144
Epidemic and endemic diseases except influenza (1-10, 12-25).....	.8	.9	-11	21	24
Rheumatism, acute and chronic (51, 52).....	4.4	6.1	-28	124	157
Lumbago and other diseases of the organs of locomotion (158).....	3.8	3.5	+9	105	92
Ill-defined and unknown causes (205).....	2.6	1.8	+44	74	47
All other diseases (26-30, 32-37, 41-50, 53-69, 85, 86, 155-157, 159, 164).....	5.1	4.4	+16	143	114
Average number of males covered in the records.....				111,328	103,409

The sickness statistics presented above are based on reported cases of sickness and nonindustrial accidents causing disability for more than one week for which sick benefits were paid in 13 large industrial establishments having a combined male working force of more than 100,000. Only those establishments are included which reported in

both years, so that as nearly the same population as is possible to obtain was under observation in the two periods. The sickness rates among female employees are not presented. With but one exception the establishments are located in the region lying north of the Ohio and Potomac Rivers and east of the Mississippi.

In general, the morbidity picture corresponds with the mortality record of the industrial population as shown for 19,000,000 industrial policyholders of the Metropolitan Life Insurance Company. After the epidemic in the early part of the year, which caused a large number of deaths from influenza and pneumonia and intensified the death rates from heart disease and certain chronic diseases, the second quarter of 1929 registered the lowest death rate in 8 years for this three months' period, and mortality in the third quarter of 1929 was the lowest for that period in seven years.³

HISTORY TAKING IN THE EARLY DIAGNOSIS OF PULMONARY TUBERCULOSIS

By G. H. FAGET, *Passed Assistant Surgeon, United States Marine Hospital, Fort Stanton, N. Mex.*

There is little doubt that a well-taken history in any disease is helpful in arriving at a correct diagnosis. Perhaps this is truer in pulmonary tuberculosis than in most diseases. In going over the histories taken at other hospitals of patients admitted to the United States Marine Hospital at Fort Stanton, N. Mex., it is evident that a systematic method was not always followed. The result is that frequently valuable data have been overlooked. This becomes obvious when checking up the histories of these same patients after admission at Fort Stanton. However, even here the data are not always satisfactorily obtained by the system which has heretofore been employed.

A carefully recorded history does not have the importance at this hospital that it does at a general hospital of the Public Health Service where all classes of diseases are treated. Here only tuberculous patients are admitted, and the diagnosis has been made prior to entrance. However, it is important to get a clear story of the patient's symptoms before admission. This will be of assistance not only in the classification of his pathology and prognosis but also in his proper treatment. It is also valuable to have a concise subjective history, and the classification of the National Tuberculosis Association requires it. With the main classification based upon the degree of involvement of the lungs as arrived at by the physical and X-ray examination, the subdivisions into classes A, B, and C, signifying the type of activity, demand an acquaintance with the constitutional

³ Statistical Bulletin, Metropolitan Life Insurance Co., October, 1929, Vol. X, No. 10.

symptoms. In the entrance diagnosis this must depend largely upon the accuracy of the history obtained from the patient.

The history as taken in the other marine hospitals is of great primary significance in diagnosis. Owing to carelessly taken data some cases of early pulmonary tuberculosis may be overlooked. Then it is not until a subsequent admission into a hospital of the Public Health Service that a diagnosis is made, and in the meanwhile the disease has progressed. It is in the out-patient offices that these mistakes occur most often. Some authorities hold that a well-taken history in early cases will more often lead to a correct diagnosis than the ordinary physical examination. Certainly a good history is worth more than a poor physical examination. If it will but give suspicion of the existence of tuberculosis much has been accomplished. Then, even if the physical examination is negative or indefinite, an X ray of the chest may be called for and reveal the disease. Repeated examinations of the sputum should also be made. In this way some early cases may be detected in time to be benefited by treatment and the value of the carefully taken history thus sustained.

With all this in mind, the proper recording of the onset of the patient's illness and the orderly sequel of his symptoms become essential. A routine procedure should be followed. A list of the prominent complaints in early phthisis should be constantly before the admitting officer to use until he becomes thoroughly familiar with it and there is no danger of his forgetting properly to question the patient. The doctor will thus help the patient to remember data temporarily forgotten or considered unimportant.

A tabulation of early and also late symptoms is given in the accompanying table. Some of these will be mentioned by all patients who have pulmonary tuberculosis. They appear in all good text books upon the subject, but are here listed in their most common order of appearance. With this list before him it should not be difficult for a physician by pertinent questioning to obtain clear-cut statements from a patient slow or uncertain in his voluntary statements.

Tuberculosis should be suspected in all patients presenting two or more of the following symptoms, and such patients should be carefully observed and examined until the diagnosis is made or tuberculosis is excluded.

While an attempt was made to tabulate the symptoms according to their occurrence in the majority of cases, it must be remembered that there can be no set rule here. Some symptoms listed near the bottom of the table may be the first to appear, as, for instance, a pulmonary hemorrhage. On the other hand, one given near the top may never make its appearance or occur late in a particular case, as, for example, pain in the chest.

Tabulation of symptoms

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. Acute respiratory cold without coryza. 2. Protracted convalescence from other diseases. 3. Cough persisting for more than two weeks. 4. Expectoration following cough. 5. Pain in the chest. 6. Fever. 7. Rapid pulse. 8. Shortness of breath. 9. Irritability. 10. Early morning fatigue. 11. Loss of "pep" or ambition. 12. Loss of weight. 13. Loss of appetite. | <ol style="list-style-type: none"> 14. Dyspepsia. 15. Pleurisy with or without effusion. 16. Night sweats. 17. Hemoptysis of more than a tea-spoonful. 18. Loss of strength. 19. Hoarseness. 20. Vomiting after spell of coughing. 21. Symptoms of extrapulmonary lesions: <ol style="list-style-type: none"> a. Laryngeal. b. Intestinal. c. Fistula in ano. d. Genito-urinary. e. Bones and joints. |
|--|---|

We must remember that active tuberculosis always manifests itself by clinical symptoms of toxemia, and so a well-taken history will obtain the particular complaints from each patient. Definite or indefinite physical findings can not always be relied upon in the diagnosis of early cases as much as can these symptoms. Complaints of cough, fever, expectoration, night sweats, languor, or hemoptysis can not be overlooked. One or more of the symptoms given in the table above will be found in a carefully taken history as soon as the patient becomes actively phthisical. A diagnosis can then be made from the clinical history alone and the exact localization of the pathology left for a more expert physical or X-ray examination.

According to Fishberg the symptomology is of the greatest significance in making an early diagnosis. He says: "The symptomology of tuberculosis is of the utmost importance and it can be ascertained by any practicing physician; and its bearing on the presence or absence of active phthisis especially in doubtful cases is of more significance than indefinite physical signs. There may be active tuberculosis without physical signs revealing themselves even to the best trained specialist, and many of the signs of apical involvement are found in healthy persons. But there is no active tuberculosis without constitutional symptoms. This is an axiom which can not be repeated too often."

The value of the carefully taken history can not be exaggerated. If the plan given above is adopted generally there should be fewer mistakes in the recognition of the early case and more patients would be sent to the sanatoria before the disease has reached an advanced stage.

If this paper should serve in clearing up the diagnosis in only a few of these doubtful early cases, its purpose will have to some extent

been accomplished and its publication justified. There is nothing new in it, but the fact that greater stress should be placed upon the recognition of the early symptoms of tuberculosis as an aid in making a diagnosis; and the early diagnosis in this disease is recognized as half of the cure.

COURT DECISION RELATING TO PUBLIC HEALTH

City ordinance prohibiting the keeping of swine in city between certain dates held void.—(Kansas City, Mo., Court of Appeals; *Kays v. City of Versailles et al.*, 22 S. W. (2d) 182; decided Dec. 2, 1929.) An ordinance of the city of Versailles, a 4th-class city, provided as follows:

It shall be unlawful for any person, firm, or corporation to keep any swine within the corporate limits of the city of Versailles, Missouri, from and including April 1st in each year to and including October 15th in such year.

Section 8472 of the 1919 Revised Statutes authorized 4th-class cities to regulate or prohibit the running at large of live stock including hogs. Section 8477 authorized such cities to regulate and suppress pigpens and to pass ordinances for the prevention of nuisances and their abatement.

The plaintiff kept 29 hogs in an inclosure of 4½ acres of rough pasture land. He brought suit to enjoin the enforcement of the above-mentioned ordinance and, from an adverse judgment, the defendants appealed. The court of appeals held that the ordinance, attempting to prohibit the keeping of swine anywhere in the city, was void, as the keeping of hogs was not a nuisance per se and the city was not empowered by statute or charter to prohibit the keeping of animals in the city when such keeping was not a nuisance per se. The fact that hogs were prohibited in the city only from April 1st to October 15th did not render the ordinance valid on the theory that, because it did not in terms prohibit their keeping entirely, it was merely a regulatory ordinance. The court said that the right to have hogs in the city was so circumscribed by the ordinance as to make it a wholly unreasonable regulation if not a prohibition.

The city attempted to uphold the ordinance on the theory that the plaintiff was keeping a pigpen which, under section 8477 of the statutes, could be suppressed by the city. But the court held (a) that the ordinance, while general enough to include pigpens, was not aimed at such pens but prohibited the keeping of hogs at any place in the city between the dates specified, and (b) that, under the circumstances, it was apparent that the plaintiff was not keeping a pigpen.

DEATHS DURING WEEK ENDED FEBRUARY 1, 1930

Summary of information received by telegraph from industrial insurance companies for the week ended February 1, 1930, and corresponding week of 1929. (From the Weekly Health Index February 5, 1930, issued by the Bureau of the Census, Department of Commerce)

	Week ended Feb. 1, 1930	Corresponding week, 1929
Policies in force.....	75, 447, 332	73, 098, 660
Number of death claims.....	15, 531	20, 175
Death claims per 1,000 policies in force, annual rate.....	10. 7	14. 4

Deaths from all causes in certain large cities of the United States during the week ended February 1, 1930, infant mortality, annual death rate, and comparison with corresponding week of 1929. (From the Weekly Health Index February 5, 1930, issued by the Bureau of the Census, Department of Commerce)

City	Week ended Feb. 1, 1930		Annual death rate per 1,000, corresponding week, 1929	Deaths under 1 year		Infant mortality rate, week ended Feb. 1, 1930 ¹
	Total deaths	Death rate ¹		Week ended Feb. 1, 1930	Corresponding week, 1929	
Total (64 cities).....	8, 116	14. 3	16. 7	739	870	165
Akron.....	48			9	7	82
Albany ⁴	37	16. 0	27. 3	2	4	44
Atlanta.....	87	17. 8	20. 6	7	12	74
White.....	45			5	7	159
Colored.....	42	(⁵)	(⁵)	2	5	32
Baltimore ⁴	222	13. 9	16. 8	19	26	65
White.....	167			11	21	47
Colored.....	55	(⁵)	(⁵)	8	5	129
Birmingham.....	87	20. 4	17. 6	9	6	84
White.....	42			5	3	77
Colored.....	45	(⁵)	(⁵)	4	3	95
Boston.....	222	14. 5	26. 7	30	31	85
Bridgeport.....	35			3	4	51
Buffalo.....	146	13. 7	18. 3	17	22	76
Cambridge.....	32	13. 3	24. 9	2	4	37
Camden.....	42	16. 2	14. 6	3	8	54
Camden.....	43	19. 2	12. 5	6	4	149
Chicago ⁴	755	12. 5	12. 6	68	74	60
Cincinnati.....	165			16	10	95
Cleveland.....	218	11. 3	11. 8	23	25	69
Columbus.....	95	16. 6	18. 8	10	13	98
Dallas.....	78	18. 7	16. 0	5	8	
White.....	58			5	6	
Colored.....	20	(⁵)	(⁵)	0	2	
Dayton.....	52	14. 7	14. 7	3	3	44
Denver.....	80	14. 2	20. 4	1	16	10
Des Moines.....	25	8. 6	14. 1	1	2	17
Detroit.....	329	12. 4	13. 3	52	48	80
Duluth.....	30	13. 4	14. 3	2	3	54
El Paso.....	36	15. 9	28. 8	3	13	
Erie.....	33			4	3	85
Fall River ⁴	33	12. 8	24. 8	8	2	183
Flint.....	44	15. 4	8. 1	12	3	140
Fort Worth.....	49	15. 0	12. 8	6	9	
White.....	41			5	9	
Colored.....	8	(⁵)	(⁵)	1	0	
Grand Rapids.....	38	12. 1	12. 7	2	6	30
Houston.....	96			14	9	
White.....	55			11	7	
Colored.....	41	(⁵)	(⁵)	3	2	
Indianapolis.....	134	18. 3	18. 0	7	4	52
White.....	113			6	3	52
Colored.....	21	(⁵)	(⁵)	1	1	54
Jersey City.....	76	12. 2	18. 0	7	14	61
Kansas City, Kans.....	32	14. 1	16. 7	6	2	142
White.....	27			6	2	159
Colored.....	5	(⁵)	(⁵)	0	0	0
Kansas City, Mo.....	119	15. 9	18. 1	13	7	101

See footnotes at end of table.

Deaths from all causes in certain large cities of the United States during the week ended February 1, 1930, infant mortality, annual death rate, and comparison with corresponding week of 1929—Continued

City	Week ended Feb. 1, 1930		Annual death rate per 1,000, corresponding week, 1929	Deaths under 1 year		Infant mortality rate, week ended Feb. 1, 1930 ¹
	Total deaths	Death rate ¹		Week ended Feb. 1, 1930	Corresponding week, 1929	
Knoxville.....	38	18.8	5.9	4	2	94
White.....	28			4	2	104
Colored.....	10	(²)	(²)	0	0	0
Los Angeles.....	292			16	24	49
Louisville.....	109	17.3	16.0	4	11	35
White.....	83			4	9	40
Colored.....	26	(²)	(²)	0	2	0
Lowell.....	38			5	1	119
Lynn.....	26	12.9	19.3	2	1	51
Memphis.....	77	21.1	21.4	8	8	95
White.....	34			4	5	74
Colored.....	43	(²)	(²)	4	3	135
Milwaukee.....	125	12.0	14.9	18	21	91
Minneapolis.....	95	10.9	11.1	4	4	26
Nashville.....	70	26.1	19.4	5	3	77
White.....	39			2	3	41
Colored.....	31	(²)	(²)	3	0	190
New Bedford.....	19			2	6	51
New Haven.....	51	14.2	18.6	2	5	39
New Orleans.....	194	23.6	19.7	24	13	139
White.....	112			8	6	71
Colored.....	82	(²)	(²)	16	7	269
New York.....	1,610	14.0	19.0	140	182	59
Bronx borough.....	221	12.1	15.4	17	17	40
Brooklyn borough.....	549	12.4	18.4	58	67	62
Manhattan borough.....	643	19.1	24.6	51	77	84
Queens borough.....	158	9.6	11.8	12	16	35
Richmond borough.....	39	13.5	25.6	2	5	37
Newark, N. J.....	124	13.7	14.5	11	15	58
Oakland.....	68	12.9	12.7	2	1	24
Oklahoma City.....	35			3	1	59
Omaha.....	87	20.4	15.4	7	6	80
Paterson.....	30	10.8	19.1	4	4	70
Philadelphia.....	497	12.6	15.5	31	64	46
Pittsburgh.....	220	17.0	16.5	25	20	92
Portland, Oreg.....	85			2	4	25
Providence.....	84	15.3	21.1	3	8	28
Richmond.....	58	15.6	20.9	10	10	148
White.....	29			5	4	112
Colored.....	29	(²)	(²)	5	6	218
Rochester.....	78	12.4	19.4	6	10	53
St. Louis.....	245	15.1	18.8	10	22	32
St. Paul.....	63			5	3	51
Salt Lake City ⁴	53	20.0	16.2	6	8	94
San Antonio.....	104	24.9	21.3	17	9	42
San Diego.....	42			2	5	69
San Francisco.....	168	15.0	16.3	10	5	125
Schenectady.....	21	11.7	17.9	4	2	70
Seattle.....	107	14.6	12.1	7	4	130
Somerville.....	27	13.7	17.8	4	1	0
Spokane.....	27	12.9	19.1	0	3	63
Springfield, Mass.....	55	19.1	19.5	4	10	50
Syracuse.....	51	13.3	12.8	4	2	27
Toledo.....	84	14.0	14.2	3	9	74
Trenton.....	46	17.3	19.5	4	5	85
Utica.....	25	12.5	14.5	3	1	58
Washington, D. C.....	160	15.1	19.3	10	20	43
White.....	103			5	11	89
Colored.....	57	(²)	(²)	5	9	51
Waterbury.....	24			2	2	158
Wilmington, Del.....	43	17.4	13.4	7	3	65
Worcester.....	51	13.5	12.1	5	1	48
Yonkers.....	22	9.5	15.5	2	3	78
Youngstown.....	45	13.5	13.5	5	5	

¹ Annual rate per 1,000 population.

² Deaths under 1 year per 1,000 births. Cities left blank are not in the registration area for births.

³ Data for 72 cities.

⁴ Deaths for week ended Friday.

⁵ In the cities for which deaths are shown by color, the colored population in 1920 constituted the following percentages of the total population: Atlanta, 31; Baltimore, 15; Birmingham, 39; Dallas, 15; Fort Worth, 14; Houston, 25; Indianapolis, 11; Kansas City, Kans., 14; Knoxville, 18; Louisville, 17; Memphis, 38; Nashville, 30; New Orleans, 26; Richmond, 32; and Washington, D. C., 25.

PREVALENCE OF DISEASE

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring

UNITED STATES

CURRENT WEEKLY STATE REPORTS

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers

Reports for Weeks Ended February 1, 1930, and February 2, 1929

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended February 1, 1930, and February 2, 1929

Division and State	Diphtheria		Influenza		Measles		Meningococcus meningitis	
	Week ended Feb. 1, 1930	Week ended Feb. 2, 1929	Week ended Feb. 1, 1930	Week ended Feb. 2, 1929	Week ended Feb. 1, 1930	Week ended Feb. 2, 1929	Week ended Feb. 1, 1930	Week ended Feb. 2, 1929
New England States:								
Maine.....	3	1	5	943	1	177	0	0
New Hampshire.....				265	11	20	0	0
Vermont.....	2	3		318		25	0	0
Massachusetts.....	111	84	7	1,149	305	593	7	4
Rhode Island.....	14	2		205	2	61	0	0
Connecticut.....	25	28	8	684	25	253	2	3
Middle Atlantic States:								
New York.....	159	239	160	1,778	536	737	10	43
New Jersey.....	125	113	13	361	274	144	6	8
Pennsylvania.....	207	221			721	1,621	8	15
East North Central States:								
Ohio.....	93	106	43	621	692	765	18	20
Indiana.....	31	25		219	107	225	11	9
Illinois.....	213	145	25	430	401	438	11	9
Michigan.....	77	92	11	110	320	151	26	17
Wisconsin.....	17	16	32	354	878	392	7	5
West North Central States:								
Minnesota.....	10	16	1	30	143	242	4	5
Iowa.....	8	7	8		342	16	2	1
Missouri.....	39	39	35	433	106	227	15	4
North Dakota.....	21	11		122	26	37	3	6
South Dakota.....		3			98	53	3	0
Nebraska.....	16	13	31	92	578	46	6	1
Kansas.....	16	20	16	86	254	47	1	7
South Atlantic States:								
Delaware.....	3		2	4	5	19	0	0
Maryland ¹	20	27	53	2,924	7	56	4	4
District of Columbia.....	28	9	1	87	4	3	1	0
Virginia.....							6	3
West Virginia.....	15	12	46	1,994	68	77	2	1
North Carolina.....	40	42	25	25	11	22	2	3
South Carolina.....	16	21	966	2,148		6	3	0
Georgia.....	16	10	164	1,133	95	29	12	5
Florida.....	12	6		345	50	5	0	2
East South Central States:								
Kentucky.....				402	89	32	2	0
Tennessee.....	5	9	134	1,559	114	26	11	0
Alabama.....	19	21	208	1,896	47	110	1	7
Mississippi.....	12	17		402			10	1
West South Central States:								
Arkansas.....	10	4	228	1,013	7	18	2	1
Louisiana.....	45	17	29	1,150	27	38	1	4
Oklahoma ²	35	45	164	1,622	91	8	6	23
Texas.....	52	54	214	912	114	72	1	7
Mountain States:								
Montana.....	1	1		32	20	113	5	4
Idaho.....	2	4			30	2	4	0
Wyoming.....		1	1	2	24	5	1	1
Colorado.....	3	12	1	18	101	10	4	16
New Mexico.....	11	1	3	5	116	5	0	0
Arizona.....	5	8	24	8	5	6	0	9
Utah ²	1	5	3	5	129	2	2	7

¹ New York City only.

² Week ended Friday.

³ Figures for 1930 are exclusive of Oklahoma City and Tulsa.

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended February 1, 1930, and February 2, 1929—Continued

Division and State	Diphtheria		Influenza		Measles		Meningococcus meningitis	
	Week ended Feb. 1, 1930	Week ended Feb. 2, 1929	Week ended Feb. 1, 1930	Week ended Feb. 2, 1929	Week ended Feb. 1, 1930	Week ended Feb. 2, 1929	Week ended Feb. 1, 1930	Week ended Feb. 2, 1929
Pacific States:								
Washington.....	6	3	2	3	149	47	4	3
Oregon.....	8	20	111	106	13	103	0	2
California.....	68	63	44	179	864	87	5	17
Division and State	Poliomyelitis		Scarlet fever		Smallpox		Typhoid fever	
	Week ended Feb. 1, 1930	Week ended Feb. 2, 1929	Week ended Feb. 1, 1930	Week ended Feb. 2, 1929	Week ended Feb. 1, 1930	Week ended Feb. 2, 1929	Week ended Feb. 1, 1930	Week ended Feb. 2, 1929
New England States:								
Maine.....	1	0	45	25	0	4	3	2
New Hampshire.....	0	0	15	18	0	0	0	0
Vermont.....	0	0	5	4	8	1	0	0
Massachusetts.....	0	0	283	266	0	1	4	1
Rhode Island.....	0	0	25	26	0	0	0	0
Connecticut.....	0	0	97	37	0	0	0	0
Middle Atlantic States:								
New York.....	0	2	489	450	12	1	17	15
New Jersey.....	0	0	231	150	0	1	2	3
Pennsylvania.....	0	1	540	545	1	0	12	7
East North Central States:								
Ohio.....	1	1	438	306	213	50	7	5
Indiana.....	0	0	247	195	243	42	1	3
Illinois.....	0	1	649	387	133	131	7	9
Michigan.....	0	1	401	296	76	37	3	1
Wisconsin.....	0	0	132	185	50	13	1	4
West North Central States:								
Minnesota.....	0	1	142	143	10	3	6	4
Iowa.....	0	1	110	152	111	31	0	0
Missouri.....	3	0	104	75	51	64	0	4
North Dakota.....	2	0	40	39	27	2	0	0
South Dakota.....	0	0	38	49	19	89	0	1
Nebraska.....	0	0	95	127	41	70	1	1
Kansas.....	1	0	145	122	63	43	2	4
South Atlantic States:								
Delaware.....	0	1	27	3	0	0	0	0
Maryland ¹	0	0	91	81	0	2	3	0
District of Columbia.....	0	0	16	21	0	0	0	0
Virginia.....	1	0						
West Virginia.....	0	0	40	37	27	4	8	1
North Carolina.....	0	0	51	64	23	14	1	2
South Carolina.....	1	0	30	15	3	17	2	6
Georgia.....	0	0	20	18	0	0	5	3
Florida.....	1	0	12	9	1	1	1	1
East South Central States:								
Kentucky.....	0	0	56	85	19	16	1	3
Tennessee.....	0	0	26	35	19	2	2	7
Alabama.....	0	0	37	25	3	3	2	2
Mississippi.....	0	1	16	10	0	1	1	2
West South Central States:								
Arkansas.....	0	0	23	12	31	2	4	0
Louisiana.....	0	2	12	27	7	4	11	9
Oklahoma ²	0	2	38	49	49	40	3	4
Texas.....	0	0	70	72	72	103	0	2
Mountain States:								
Montana.....	0	0	31	37	3	20	0	1
Idaho.....	1	0	8	2	7	56	1	4
Wyoming.....	0	0	7	15	23	0	1	0
Colorado.....	0	0	37	35	32	54	0	1
New Mexico.....	0	0	4	16	4	0	1	5
Arizona.....	0	0	17	11	45	1	1	0
Utah ³	0	0	12	10	3	9	0	0
Pacific States:								
Washington.....	1	0	66	26	95	28	5	1
Oregon.....	0	0	61	26	29	38	1	0
California.....	7	1	341	355	71	63	8	7

¹ New York City only.
² Week ended Friday.

³ Figures for 1930 are exclusive of Oklahoma City and Tulsa.
⁴ Delayed report.

SUMMARY OF MONTHLY REPORTS FROM STATES

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week:

State	Menin- gococ- cus menin- gitis	Diph- theria	Influ- enza	Ma- laria	Mea- sles	Pellag- ra	Polo- mye- litis	Scarlet fever	Small- pox	Ty- phoid fever
<i>November, 1929</i>										
Hawaii Territory	2	41	6		13		0	4	0	10
<i>December, 1929</i>										
Arkansas	37	57	459	95	209	2	1	112	41	23
Florida	1	55	20	176	31	1	1	42	12	8
Iowa	2	48					5	299	440	16
Mississippi	4	193	4,405	2,430	323	326	1	143	3	37
Pennsylvania	38	675			1,666	2	5	1,550	15	61
South Carolina		337	3,385	711	16	179	7	108	7	31
South Dakota	4	14	5		52		0	131	189	4
Virginia	4	338	1,644	28	204	7	6	367	27	26

November, 1929

	Cases
Hawaii Territory:	
Chicken pox	19
Conjunctivitis (follicular)	629
Hookworm disease	6
Impetigo contagiosa	5
Leprosy	1
Mumps	7
Tetanus	2
Trachoma	260
Whooping cough	4

December, 1929

Anthrax:	
Mississippi	1
Pennsylvania	3
Chicken pox:	
Arkansas	140
Florida	103
Mississippi	973
Pennsylvania	3,972
South Carolina	162
South Dakota	164
Virginia	576
Dengue:	
Mississippi	1
South Carolina	5
Diarrhea:	
South Carolina	344
Dysentery:	
Florida	1
Mississippi (amebic)	29
Mississippi (bacillary)	254
Dysentery and diarrhea:	
Virginia	109
German measles:	
Pennsylvania	91
Hookworm disease:	
Mississippi	206
South Carolina	88
Lethargic encephalitis:	
Pennsylvania	6
South Carolina	1
Malarial hemoglobinuria:	
South Carolina	1

December, 1929—Continued

	Cases
Mumps:	
Arkansas	46
Florida	88
Mississippi	165
Pennsylvania	857
South Carolina	44
South Dakota	43
Ophthalmia neonatorum:	
Mississippi	29
Pennsylvania	9
South Carolina	14
Paratyphoid fever:	
South Carolina	5
Puerperal septicemia:	
Mississippi	15
Pennsylvania	8
Rabies in animals:	
Mississippi	4
South Carolina	8
Septic sore throat:	
South Dakota	2
Tetanus:	
Pennsylvania	2
Trachoma:	
Arkansas	5
Mississippi	10
South Dakota	2
Tularaemia:	
Virginia	19
Typhus fever:	
Florida	5
Undulant fever:	
Iowa	12
Pennsylvania	1
Whooping cough:	
Arkansas	97
Florida	30
Mississippi	845
Pennsylvania	1,303
South Carolina	276
South Dakota	36
Virginia	976

Number of Cases of Certain Communicable Diseases Reported for the Month of November, 1929, by State Health Officers

State	Chick- en pox	Diph- theria	Meas- les	Mumps	Scarlet fever	Small- pox	Tuber- culosis	Typhoid fever and paraty- phoid fever	Whoop- ing cough
Maine.....	430	32	81	166	161	0	26	22	129
New Hampshire.....		23			102	0		5	
Vermont.....	268	17	16	15	84	16	17	4	102
Massachusetts.....	1,306	556	395	409	874	0	476	23	668
Rhode Island.....	64	71	6	5	76	0	39	2	62
Connecticut.....	641	91	11	100	200	0	110	18	146
New York.....	2,162	728	730	667	1,101	118	1,647	100	1,337
New Jersey.....	964	655	141		558	0	390	28	
Pennsylvania.....	3,834	869	1,526	758	1,411	10	706	106	1,324
Ohio.....	2,870	362	1,096	321	1,073	557	691	79	642
Indiana.....	594	211	58	26	557	630	229	22	104
Illinois.....	2,144	966	891	372	2,015	487	872	62	974
Michigan.....	1,854	492	658	358	987	282	328	32	458
Wisconsin.....	1,701	123	1,696	238	369	119	147	81	666
Minnesota.....	1,180	134	284		441	14	213	25	156
Iowa.....		42			209	216		93	
Missouri.....	462	382	150	36	545	99	251	32	232
North Dakota.....	222	27	64	212	96	59	30	6	33
South Dakota.....	117	19	21	9	79	234	7	2	18
Nebraska.....	177	90	156	249	144	116	16	1	67
Kansas.....	642	166	225	160	381	164	152	21	199
Delaware.....	57	16	2		13	0	16	3	24
Maryland.....	349	111	83	43	258	0	147	49	234
District of Columbia.....	58	62	4		53	0	90	6	19
Virginia.....	468	435	127		408	113	77	42	791
West Virginia.....	346	214	102	3	390	72	42	95	199
North Carolina.....	478	757	15		508	15		39	771
South Carolina.....	136	464	28	44	160	4	148	95	463
Georgia.....	60	110	36	17	211	0	81	25	99
Florida.....	40	84	11	63	47	2	22	5	20
Kentucky ¹									
Tennessee.....	155	322	114	7	346	40	244	122	135
Alabama.....	91	332	52	18	295	208	284	45	97
Mississippi.....	584	324	159	90	137	1	253	44	682
Arkansas.....	73	76	5	16	133	16	131	40	49
Louisiana.....	44	192	17		83	4	114	46	17
Oklahoma ²	130	397	72	2	295	92	76	119	55
Texas ³									
Montana.....	108	8	279	225	165	73	16	24	12
Idaho.....	192	4	344	64	74	65	3	1	35
Wyoming.....	34	9	3	10	14	54		1	15
Colorado.....	539	34	24	53	96	113	60	33	54
New Mexico.....									
Arizona.....	50	94	6	278	44	2	237	22	57
Utah ¹				11					
Nevada.....	3								
Washington.....	701	68	88	266	196	250	194	35	117
Oregon.....	271	63	58	79	168	35	51	11	34
California.....	1,052	350	407	1,203	1,071	179	744	46	425

¹ Pulmonary.

² Reports received weekly.

³ Exclusive of Oklahoma City and Tulsa.

Case Rates per 1,000 Population (Annual Basis) for the Month of November, 1929

State	Chick- en pox	Diph- theria	Meas- les	Mumps	Scarlet fever	Small- pox	Tuber- culosis	Typhoid fever and paraty- phoid fever	Whoop- ing cough
Maine.....	6.56	0.49	1.24	2.53	2.46	0.00	0.40	0.34	1.97
New Hampshire.....		.61			2.72	.00		.13	
Vermont.....	9.25	.59	.55	.52	2.90	.55	.59	.14	3.52
Massachusetts.....	3.66	1.56	1.11	1.15	2.45	.00	1.34	.06	1.87
Rhode Island.....	1.07	1.19	.10	.08	1.27	.00	.65	.03	1.04
Connecticut.....	4.59	.05	.08	.72	1.43	.00	.79	.13	1.05
New York.....	2.25	.76	.76	.90	1.15	.12	1.72	.10	1.39
New Jersey.....	3.03	2.05	.44		1.74	.00	1.22	.09	1.54
Pennsylvania.....	4.67	1.06	1.86	.92	1.72	.01	.86	.13	1.61
Ohio.....	5.03	.63	1.92	.56	1.88	.98	1.21	.14	1.13
Indiana.....	2.26	.80	.22	.10	2.12	2.39	.87	.08	.40
Illinois.....	3.48	1.57	1.45	.60	3.27	.79	1.42	.10	1.58
Michigan.....	4.81	1.28	1.71	.93	2.56	.73	.85	.08	1.19
Wisconsin.....	6.93	.50	6.91	.97	1.62	.48	.60	.33	2.71
Minnesota.....	5.20	.59	1.25		1.95	.06	.94	.11	.69
Iowa.....		.21			1.05	1.08		.47	
Missouri.....	1.59	1.31	.52	.12	1.88	.34	.86	.11	.80
North Dakota.....	4.21	.51	1.21	4.02	1.82	1.12	.57	.11	.63
South Dakota.....	2.00	.32	.36	.15	1.35	4.00	.12	.03	.31
Nebraska.....	1.52	.77	1.34	2.13	1.23	.99	.14	.01	.57
Kansas.....	3.58	1.10	1.49	1.06	2.52	1.08	1.00	.14	1.31
Delaware.....	2.83	.79	.10		.65	.00	1.30	.15	1.19
Maryland.....	2.60	.83	.62	.32	1.92	.00	1.09	.36	1.74
District of Columbia.....	1.25	1.34	.09		1.14	.00	1.94	.13	.41
Virginia.....	2.19	2.03	.59		1.91	.53	.36	.20	3.70
West Virginia.....	2.40	1.49	.71	.02	2.71	.50	.29	.66	1.38
North Carolina.....	1.95	3.09	.06		2.07	.06		.16	3.15
South Carolina.....	.88	3.00	.18	.28	1.03	.03	.96	.61	2.99
Georgia.....	.23	.41	.14	.06	.79	.00	.30	.09	.37
Florida.....	.33	.70	.09	.53	.39	.02	.18	.04	.17
Kentucky ¹									
Tennessee.....	.75	1.56	.55	.03	1.67	.19	1.18	.59	.65
Alabama.....	.43	1.56	.24	.06	1.38	.97	1.33	.21	.45
Mississippi.....	3.97	2.20	1.08	.61	.93	.01	1.72	.30	4.63
Arkansas.....	.45	.47	.03	.10	.82	.10	1.19	.25	.30
Louisiana.....	.27	1.19	.11		.51	.02	1.71	.28	.11
Oklahoma ².....	.73	2.22	.40	.01	1.65	.52	.43	.67	.31
Texas ²									
Montana.....	2.39	.18	6.18	4.99	3.66	1.62	.35	.53	.27
Idaho.....	4.19	.09	7.50	1.40	1.61	1.42	.07	.02	.83
Wyoming.....	1.64	.43	.14	.48	.67	2.60		.05	.72
Colorado.....	5.93	.37	.26	.58	1.06	1.24	.66	.36	.59
New Mexico.....									
Arizona.....	1.24	2.34	.15	6.92	1.09	.05	5.90	.55	1.42
Utah ²									
Nevada.....	.47			1.73					
Washington.....	5.29	.51	.66	2.01	1.48	1.89	1.46	.26	.88
Oregon.....	3.61	.84	.77	1.05	2.24	.47	.68	.15	.45
California.....	2.74	.91	1.06	3.13	2.78	.47	1.93	.12	1.11

¹ Pulmonary.² Reports received weekly.³ Exclusive of Oklahoma City and Tulsa.

GENERAL CURRENT SUMMARY AND WEEKLY REPORTS FROM CITIES

The 97 cities reporting cases used in the following table are situated in all parts of the country and have an estimated aggregate population of more than 31,860,000. The estimated population of the 90 cities reporting deaths is more than 30,270,000. The estimated expectancy is based on the experience of the last nine years, excluding epidemics.

Weeks ended January 25, 1930, and January 26, 1929

	1930	1929	Estimated expectancy
<i>Cases reported</i>			
Diphtheria:			
46 States.....	1,594	1,618	.....
97 cities.....	695	753	865
Measles:			
43 States.....	6,437	6,289	.....
97 cities.....	1,386	1,587	.....
Meningococcus meningitis:			
46 States.....	240	234	.....
97 cities.....	92	101	.....
Poliomyelitis:			
46 States.....	20	24	.....
Scarlet fever:			
46 States.....	5,022	4,207	.....
97 cities.....	1,802	1,391	1,563
Smallpox:			
46 States.....	1,745	787	.....
97 cities.....	161	45	63
Typhoid fever:			
46 States.....	173	163	.....
97 cities.....	26	27	42
<i>Deaths reported</i>			
Influenza and pneumonia:			
90 cities.....	953	2,628	.....
Smallpox:			
90 cities.....	0	0	.....

City reports for week ended January 25, 1930

The "estimated expectancy" given for diphtheria, poliomyelitis, scarlet fever, smallpox, and typhoid fever is the result of an attempt to ascertain from previous occurrence the number of cases of the disease under consideration that may be expected to occur during a certain week in the absence of epidemics. It is based on reports to the Public Health Service during the past nine years. It is in most instances the median number of cases reported in the corresponding weeks of the preceding years. When the reports include several epidemics, or when for other reasons the median is unsatisfactory, the epidemic periods are excluded and the estimated expectancy is the mean number of cases reported for the week during non-epidemic years.

If the reports have not been received for the full nine years, data are used for as many years as possible, but no year earlier than 1921 is included. In obtaining the estimated expectancy, the figures are smoothed when necessary to avoid abrupt deviation from the usual trend. For some of the diseases given in the table the available data were not sufficient to make it practicable to compute the estimated expectancy.

Division, State, and city	Chick- en pox, cases re- ported	Diphtheria		Influenza		Meas- les, cases re- ported	Mumps, cases re- ported	Pneu- monia, deaths re- ported
		Cases, esti- mated expect- ancy	Cases re- ported	Cases re- ported	Deaths re- ported			
NEW ENGLAND								
Maine:								
Portland.....	11	1	1	0	1	3	7	
New Hampshire:								
Concord.....	0	0	2	0	1	0	2	
Manchester.....	0	2	0	0	0	0	2	
Nashua.....	1	0	0	0	0	0	0	
Vermont:								
Barre.....	6	0	0	0	10	0	0	
Burlington.....	6	1	0	1	0	1	0	
Massachusetts:								
Boston.....	85	38	28	5	33	66	18	
Fall River.....	17	5	4	0	0	5	2	
Springfield.....	32	5	14	0	1	0	4	
Worcester.....	18	5	1	1	0	0	3	
Rhode Island:								
Pawtucket.....	9	2	3	0	0	0	1	
Providence.....	3	10	5	0	2	0	6	
Connecticut:								
Bridgeport.....	0	6	2	2	1	0	2	
Hartford.....	9	8	5	3	2	3	8	
New Haven.....	51	1	1	0	2	13	4	

City reports for week ended January 25, 1930—Continued

Division, State, and city	Chick- en pox, cases re- ported	Diphtheria		Influenza		Meas- les, cases re- ported	Mumps, cases re- ported	Pneu- monia, deaths re- ported
		Cases, esti- mated expect- ancy	Cases re- ported	Cases re- ported	Deaths re- ported			
MIDDLE ATLANTIC								
New York:								
Buffalo.....	19	16	9	2	5	3	17	
New York.....	240	229	100	34	14	71	79	
Rochester.....	32	10	0	1	5	2	5	
Syracuse.....	39	4	0	0	1	74	2	
New Jersey:								
Camden.....	2	7	6	0	1	0	5	
Newark.....	91	21	20	3	0	69	4	
Trenton.....	8	3	3	1	0	22	0	
Pennsylvania:								
Philadelphia.....	140	78	32	10	7	21	21	
Pittsburgh.....	52	24	23	1	6	48	4	
Reading.....	13	3	3	0	0	1	0	
Scranton.....	2	5	5	0	0	0	0	
EAST NORTH CENTRAL								
Ohio:								
Cincinnati.....	28	10	4	2	1	0	12	
Cleveland.....	133	39	11	16	5	8	19	
Columbus.....	13	5	3	3	3	1	4	
Toledo.....	62	8	3	2	2	230	9	
Indiana:								
Fort Wayne.....	3	5	0	0	0	0	1	
Indianapolis.....	28	9	5	1	17	2	20	
South Bend.....	2	1	0	0	0	0	0	
Terre Haute.....	0	2	0	0	0	0	3	
Illinois:								
Chicago.....	123	110	139	13	9	17	18	
Springfield.....	3	1	0	10	1	2	0	
Michigan:								
Detroit.....	75	55	62	10	3	121	35	
Flint.....	18	5	1	1	1	0	2	
Grand Rapids.....	4	1	1	1	0	2	1	
Wisconsin:								
Kenosha.....	9	0	0	0	1	1	0	
Madison.....	2	1	2	0	137	4	0	
Milwaukee.....	153	23	6	2	1	4	31	
Racine.....	8	3	0	0	0	3	0	
Superior.....	2	1	0	0	43	0	1	
WEST NORTH CENTRAL								
Minnesota:								
Duluth.....	0	1	0	0	24	0	3	
Minneapolis.....	49	22	3	2	59	25	0	
St. Paul.....	26	10	2	3	9	11	8	
Iowa:								
Davenport.....	3	1	0	0	0	0	0	
Des Moines.....	2	2	1	1	28	0	0	
Sioux City.....	5	1	0	1	1	1	1	
Waterloo.....	12	1	1	1	113	1	1	
Missouri:								
Kansas City.....	24	7	5	0	4	0	14	
St. Joseph.....	3	2	1	0	0	0	0	
St. Louis.....	25	47	20	2	1	3	7	
North Dakota:								
Fargo.....	4	0	0	0	0	10	1	
Grand Forks.....	1	0	0	0	0	0	0	
South Dakota:								
Aberdeen.....	12	0	0	0	0	1	0	
Sioux Falls.....	0	0	0	0	10	0	0	
Nebraska:								
Omaha.....	8	5	5	0	17	0	6	
Kansas:								
Topeka.....	27	2	0	1	7	4	8	
Wichita.....	15	4	6	0	4	2	10	
SOUTH ATLANTIC								
Delaware:								
Wilmington.....	5	3	0	0	0	1	5	
Maryland:								
Baltimore.....	74	30	19	8	2	12	28	
Cumberland.....	1	0	0	0	0	0	1	
Frederick.....	0	4	0	0	0	0	2	

City reports for week ended January 25, 1930—Continued

Division, State, and city	Chick- en pox, cases re- ported	Diphtheria		Influenza		Meas- les, cases re- ported	Mumps, cases re- ported	Pneu- monia, deaths re- ported
		Cases, esti- mated expect- ancy	Cases re- ported	Cases re- ported	Deaths re- ported			
SOUTH ATLANTIC—continued								
District of Columbia:								
Washington.....	27	22	18	3	2	3	0	16
Virginia:								
Lynchburg.....	10	2	0		1	64	16	5
Norfolk.....	0	1	1	1	0	1	6	6
Richmond.....	1	6	4		2	0	3	7
Roanoke.....	4	1	3		0	10	0	4
West Virginia:								
Charleston.....	15	2	1		0	0	0	2
Wheeling.....	2	1	1		0	2	1	4
North Carolina:								
Raleigh.....	15	1	0		0	1	0	2
Wilmington.....	3	0	0		0	0	0	0
Winston-Salem.....	4	0	1	1	1	0	20	6
South Carolina:								
Charleston.....	3	1	2	32	2	0	2	3
Columbia.....	3	1	0		0	0	3	4
Georgia:								
Atlanta.....	14	3	3	27	4	0	6	7
Brunswick.....	0	0	0		0	0	0	1
Savannah.....	0	1	1	5	3	0	0	6
Florida:								
Miami.....	2	2	2		0	0	7	1
St. Petersburg.....		0			0			0
Tampa.....	9	1	5		0	1	6	4
EAST SOUTH CENTRAL								
Kentucky:								
Covington.....	1	1	0		0	0	0	2
Tennessee:								
Memphis.....	5	5	1		3	1	0	14
Nashville.....	0	1	3		1	0	0	1
Alabama:								
Birmingham.....	10	3	5	8	3	0	2	7
Mobile.....	0	0	1	2	1	2	0	6
Montgomery.....	3	1	1	1		1	0	
WEST SOUTH CENTRAL								
Arkansas:								
Fort Smith.....	1	1	0			0	1	
Little Rock.....	5	1	0		0	1	0	3
Louisiana:								
New Orleans.....	5	13	24	14	17	52		22
Shreveport.....	11	1	0		2	1	0	5
Oklahoma:								
Oklahoma City.....	2	2	2	2	1	3	0	8
Tulsa.....	42	2	1			45	0	
Texas:								
Dallas.....	8	7	3	3	0	113	0	8
Fort Worth.....	8	3	5		2	0	0	8
Galveston.....	0	1	1		0	0	0	2
Houston.....	0	7	13		1	0	0	10
San Antonio.....	2	3	1		9	0	0	31
MOUNTAIN								
Montana:								
Billings.....	0	1	0		0	0	15	0
Great Falls.....	0	1	0		0	0	14	2
Helena.....	0	0	0		0	0	42	0
Missoula.....	0	0	0		0	0	3	1
Idaho:								
Boise.....	0	0	0		0	0	0	0
Colorado:								
Denver.....		12						
Pueblo.....	21	2	0		0	0	17	0
New Mexico:								
Albuquerque.....	1	0	1		0	0	0	2
Arizona:								
Phoenix.....	3	1	1		0	0	6	9
Utah:								
Salt Lake City.....	33	3	3		0	22	9	7
Nevada:								
Reno.....	0	0	0		0	0	0	0

City reports for week ended January 25, 1930—Continued

Division, State, and city	Chick- en pox, cases re- ported	Diphtheria		Influenza		Meas- les, cases re- ported	Mumps, cases re- ported	Pneu- monia, deaths re- ported
		Cases, esti- mated expect- ancy	Cases re- ported	Cases re- ported	Deaths re- ported			
PACIFIC								
Washington:								
Seattle.....	64	4	5			7	50	
Spokane.....	14	3	1			1	0	
Tacoma.....	13	3	3		0	0	1	2
Oregon:								
Portland.....	20	11	7	5	0	3	11	9
Salem.....	2	0	2		0	0	14	0
California:								
Los Angeles.....	80	45	18	34	4	33	26	20
Sacramento.....	5	3	0		1	1	16	4
San Francisco.....	26	17	12	2	1	267	27	5

Division, State, and city	Scarlet fever		Smallpox			Tuber- culosis, deaths re- ported	Typhoid fever			Whoop- ing cough, cases re- ported	Deaths, all causes
	Cases, esti- mated expect- ancy	Cases re- ported	Cases, esti- mated expect- ancy	Cases re- ported	Deaths re- ported		Cases, esti- mated expect- ancy	Cases re- ported	Deaths re- ported		
NEW ENGLAND											
Maine:											
Portland.....	3	10	0		0	2	0	0	0	0	32
New Hampshire:											
Concord.....	0	1	0	0	0	0	0	0	0	0	10
Manchester.....	3	0	0	0	0	0	0	0	0	0	10
Nashua.....	1	2	0	0	0	0	0	0	0	0	
Vermont:											
Barre.....	0	0	0	2	0	1	0	0	0	0	3
Burlington.....	2	0	0	0	0	0	0	0	0	1	2
Massachusetts:											
Boston.....	82	86	0	0	0	10	1	0	0	78	207
Fall River.....	4	11	0	0	0	4	0	0	0	4	26
Springfield.....	10	11	0	0	0	1	0	0	0	25	24
Worcester.....	11	16	0	0	0	6	0	0	0	29	61
Rhode Island:											
Pawtucket.....	2	1	0	0	0	1	1	0	0	6	13
Providence.....	12	21	0	0	0	1	0	0	0	13	72
Connecticut:											
Bridgeport.....	12	7	0	0	0	1	0	0	0	2	31
Hartford.....	7	13	0	0	0	0	0	0	0	13	48
New Haven.....	9	12	0	0	0	0	0	0	0	15	42
MIDDLE ATLANTIC											
New York:											
Buffalo.....	30	32	0	2	0	8	0	1	0	26	156
New York.....	300	218	1	1	0	112	9	7	2	65	1,550
Rochester.....	12	7	0	0	0	4	0	0	0	2	70
Syracuse.....	15	18	0	0	0	1	1	0	0	37	46
New Jersey:											
Camden.....	8	6	0	0	0	1	0	0	0	2	25
Newark.....	33	57	0	0	0	5	0	0	0	38	111
Trenton.....	6	17	0	0	0	3	0	0	0	7	34
Pennsylvania:											
Philadelphia.....	108	116	1	0	0	31	2	3	0	27	496
Pittsburgh.....	45	23	0	0	0	12	1	0	1	41	195
Reading.....	4	5	0	0	0	0	1	0	0	26	30
Scranton.....	5	9	0	0	0	0	0	0	0	2	
EAST NORTH CENTRAL											
Ohio:											
Cincinnati.....	21	32	1	0	0	7	0	0	0	1	143
Cleveland.....	47	57	0	0	0	16	1	2	0	102	208
Columbus.....	12	15	0	8	0	4	1	0	0	1	84
Toledo.....	15	10	1	13	0	1	1	0	0	4	74
Indiana:											
Fort Wayne.....	6	18	0	0	0	1	0	0	0	0	25
Indianapolis.....	14	7	7	2	0	2	0	0	0	19	126
South Bend.....	3	9	0	1	0	1	0	0	0	0	19
Terre Haute.....	4	6	1	0	0	1	0	0	0	0	17

City reports for week ended January 25, 1930—Continued

Division, State, and city	Scarlet fever		Smallpox			Tuberculosis, deaths reported	Typhoid fever			Whooping cough, cases reported	Deaths, all causes
	Cases, estimated expectancy	Cases reported	Cases, estimated expectancy	Cases reported	Deaths reported		Cases, estimated expectancy	Cases reported	Deaths reported		
EAST NORTH CENTRAL—contd.											
Illinois:											
Chicago	138	254	2	6	0	47	3	0	0	98	731
Springfield	4	0	0	0	0	0	1	0	0	3	21
Michigan:											
Detroit	111	136	2	9	0	18	1	1	0	40	298
Flint	13	11	1	4	0	1	0	0	0	10	21
Grand Rapids	14	12	0	0	0	1	0	0	0	5	32
Wisconsin:											
Kenosha	2	3	0	0	0	0	0	0	0	10	-----
Madison	4	4	0	1	-----	0	0	-----	-----	20	-----
Milwaukee	41	34	0	1	-----	9	1	0	0	60	106
Racine	6	6	0	0	-----	0	0	1	0	11	15
Superior	3	5	0	0	-----	0	0	0	0	0	10
WEST NORTH CENTRAL											
Minnesota:											
Duluth	12	3	0	0	-----	1	1	0	0	5	19
Minneapolis	62	19	4	1	-----	0	2	1	1	0	3
St. Paul	36	23	1	0	-----	4	0	0	1	28	60
Iowa:											
Davenport	2	0	1	10	-----	-----	0	0	-----	0	-----
Des Moines	11	15	2	7	-----	-----	0	0	-----	0	32
Sioux City	1	2	1	3	-----	0	0	0	-----	0	-----
Waterloo	2	4	0	22	-----	-----	0	0	-----	3	-----
Missouri:											
Kansas City	16	40	2	0	-----	10	0	0	0	5	114
St. Joseph	3	3	0	0	-----	0	1	0	0	0	27
St. Louis	49	23	1	2	-----	0	12	1	0	4	225
North Dakota:											
Fargo	2	9	0	1	-----	0	0	0	0	5	6
Grand Forks	0	0	0	11	-----	-----	0	0	-----	0	-----
South Dakota:											
Aberdeen	1	2	0	0	-----	-----	0	0	-----	0	-----
Sioux Falls	2	3	0	23	-----	-----	0	0	-----	0	12
Nebraska:											
Omaha	6	6	1	1	-----	0	1	0	0	0	50
Kansas:											
Topeka	2	8	0	5	-----	0	0	0	0	1	40
Wichita	7	22	0	2	-----	0	1	0	0	2	31
SOUTH ATLANTIC											
Delaware:											
Wilmington	6	9	0	0	-----	0	0	0	0	0	27
Maryland:											
Baltimore	36	38	0	0	-----	18	2	2	0	15	250
Cumberland	1	1	0	0	-----	0	1	0	0	0	13
Frederick	1	0	0	0	-----	0	0	0	0	0	3
District of Col.:											
Washington	27	20	1	0	-----	15	2	1	0	11	154
Virginia:											
Lynchburg	0	0	0	0	-----	0	0	0	0	4	15
Norfolk	2	5	0	0	-----	0	3	0	0	4	-----
Richmond	5	5	0	0	-----	0	3	0	0	0	60
Roanoke	2	0	0	0	-----	0	1	0	0	2	21
West Virginia:											
Charleston	0	0	0	0	-----	5	0	1	0	25	35
Wheeling	2	2	0	0	-----	0	1	0	0	19	29
North Carolina:											
Raleigh	1	0	0	1	-----	0	0	0	0	5	14
Wilmington	1	2	0	0	-----	0	0	0	0	5	7
Winston-Salem	2	1	1	0	-----	0	0	0	0	2	20
South Carolina:											
Charleston	1	3	0	0	-----	4	0	0	1	4	35
Columbia	0	0	1	0	-----	0	0	0	0	28	16
Georgia:											
Atlanta	5	8	3	0	-----	4	0	0	0	3	90
Brunswick	0	0	0	0	-----	0	0	0	0	0	4
Savannah	0	4	0	0	-----	0	1	1	0	0	43
Florida:											
Miami	2	1	0	0	-----	2	0	1	0	0	25
St. Petersburg	0	0	0	0	-----	0	0	0	0	0	11
Tampa	1	3	0	0	-----	0	1	0	0	0	34

City reports for week ended January 25, 1930—Continued

Division, State, and city	Scarlet fever		Smallpox			Tuberculosis, deaths reported	Typhoid fever			Whooping cough, cases reported	Deaths, all causes
	Cases, estimated expectancy	Cases reported	Cases, estimated expectancy	Cases reported	Deaths reported		Cases, estimated expectancy	Cases reported	Deaths reported		
EAST SOUTH CENTRAL											
Kentucky:											
Covington.....	2	3	0	0	0	2	0	0	0	0	15
Tennessee:											
Memphis.....	7	7	1	0	0	5	0	0	0	0	94
Nashville.....	2	0	0	0	0	4	0	3	0	2	42
Alabama:											
Birmingham.....	3	13	4	0	0	3	1	0	0	0	44
Mobile.....	0	1	0	0	0	2	0	0	0	0	34
Montgomery.....	0	1	0	0	0	0	0	0	0	0	0
WEST SOUTH CENTRAL											
Arkansas:											
Fort Smith.....	1	2	0	0	0	0	0	0	0	0	0
Little Rock.....	2	1	0	0	0	0	0	0	0	0	0
Louisiana:											
New Orleans.....	7	11	0	0	0	17	3	1	0	1	192
Shreveport.....	0	2	0	2	0	0	0	0	0	0	35
Oklahoma:											
Oklahoma City.....	2	11	1	12	0	3	0	0	0	0	48
Tulsa.....	1	2	1	2	0	0	0	0	0	7	0
Texas:											
Dallas.....	5	3	2	2	0	6	0	0	0	5	69
Fort Worth.....	3	1	2	0	0	4	0	0	0	0	45
Galveston.....	0	0	0	0	0	0	1	0	0	0	17
Houston.....	3	9	1	4	0	9	0	0	0	0	80
San Antonio.....	1	0	0	2	0	2	0	0	1	0	109
MOUNTAIN											
Montana:											
Billings.....	1	1	0	0	0	0	0	0	0	0	6
Great Falls.....	2	21	1	0	0	0	0	0	0	0	9
Helena.....	1	0	0	0	0	1	0	0	0	3	8
Missoula.....	1	1	0	2	0	0	1	0	0	0	7
Idaho:											
Boise.....	1	0	0	0	0	1	0	0	0	0	0
Colorado:											
Denver.....	12	2	1	0	0	0	0	0	0	0	14
Pueblo.....	2	0	0	0	0	0	0	0	0	0	0
New Mexico:											
Albuquerque.....	2	0	0	0	0	4	0	0	0	0	9
Arizona:											
Phoenix.....	0	0	0	20	0	2	0	0	0	0	25
Utah:											
Salt Lake City.....	5	5	3	0	0	2	0	0	0	18	43
Nevada:											
Reno.....	0	0	0	0	0	0	0	0	0	0	3
PACIFIC											
Washington:											
Seattle.....	11	18	3	2	0	0	1	0	0	5	0
Spokane.....	5	13	7	49	0	0	0	0	0	4	0
Tacoma.....	3	5	3	7	0	0	1	0	0	8	25
Oregon:											
Portland.....	6	5	14	5	0	1	0	0	0	5	83
Salem.....	0	1	1	0	0	0	0	0	0	5	0
California:											
Los Angeles.....	38	81	4	2	0	23	1	0	0	26	304
Sacramento.....	2	6	1	6	0	3	0	0	0	0	33
San Francisco.....	19	47	2	9	0	11	1	0	0	1	177

City reports for week ended January 25, 1930—Continued

Division, State, and city	Meningococcus meningitis		Lethargic encephalitis		Pellagra		Poliomyelitis (infantile paralysis)		
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases, estimated expectancy	Cases	Deaths
NEW ENGLAND									
Connecticut:									
Hartford.....	0	1	0	0	0	0	0	0	0
MIDDLE ATLANTIC									
New York:									
Buffalo.....	1	1	0	0	0	0	0	0	0
New York.....	10	3	0	0	0	0	1	2	1
Pennsylvania:									
Philadelphia.....	3	1	0	0	0	0	0	0	0
Pittsburgh.....	2	2	0	0	0	0	0	0	0
EAST NORTH CENTRAL									
Ohio:									
Cincinnati.....	0	0	0	1	0	0	0	0	0
Cleveland.....	6	0	0	0	0	0	0	0	0
Indiana:									
Indianapolis.....	5	6	0	0	0	0	0	0	0
South Bend.....	1	0	0	0	0	0	0	0	0
Illinois:									
Chicago.....	9	7	1	1	0	0	1	0	0
Michigan:									
Detroit.....	15	7	2	0	0	0	0	0	0
Flint.....	2	1	0	0	0	0	0	0	0
Wisconsin:									
Milwaukee.....	3	1	0	0	0	0	0	0	0
Racine.....	2	0	0	0	0	0	0	0	0
WEST NORTH CENTRAL									
Minnesota:									
St. Paul.....	0	1	0	0	0	0	0	0	0
Iowa:									
Des Moines.....	1	0	0	0	0	0	0	0	0
Missouri:									
Kansas City.....	5	3	0	0	0	0	0	0	0
St. Louis.....	5	4	0	0	0	0	0	0	0
Nebraska:									
Omaha.....	1	0	0	0	0	0	0	0	0
Kansas:									
Topeka.....	0	1	0	0	0	0	0	0	0
Wichita.....	1	1	0	0	0	0	0	0	0
SOUTH ATLANTIC¹									
Maryland:									
Baltimore.....	0	1	0	0	0	0	1	0	0
North Carolina:									
Raleigh.....	0	0	0	0	0	1	0	0	0
South Carolina:									
Charleston.....	0	0	0	0	0	1	0	0	0
Columbia.....	0	1	0	0	0	0	0	0	0
Georgia:									
Atlanta.....	0	1	0	0	0	0	0	0	0
Brunswick.....	0	0	0	1	0	0	0	0	0
Savannah.....	0	0	0	0	1	1	0	0	0
EAST SOUTH CENTRAL									
Tennessee:									
Memphis.....	3	1	0	1	0	0	0	0	0
Nashville.....	4	0	0	0	0	0	0	0	0
Alabama:									
Birmingham.....	1	1	0	0	0	0	0	0	0
Montgomery.....	0	0	0	0	1	0	0	0	0

¹ Typhus fever: 1 case at Tampa, Fla.

City reports for week ended January 25, 1930—Continued

Division, State, and city	Meningococcus meningitis		Lethargic encephalitis		Pellagra		Poliomyelitis (infantile paralysis)		
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases, estimated expectancy	Cases	Deaths
WEST SOUTH CENTRAL									
Louisiana:									
New Orleans.....	0	0	0	0	1	1	0	0	0
Oklahoma:									
Tulsa.....	1	0	0	0	0	0	0	0	0
Texas:									
Dallas.....	1	0	0	0	0	0	0	0	0
Fort Worth.....	0	0	0	0	0	2	0	0	0
Galveston.....	0	0	0	1	0	0	0	0	0
Houston.....	0	0	0	0	0	2	0	0	0
MOUNTAIN									
Arizona:									
Phoenix.....	1	1	0	0	0	0	0	0	0
Utah:									
Salt Lake City.....	5	1	0	0	0	0	0	0	0
PACIFIC									
Washington:									
Seattle.....	2	0	0	0	0	0	0	0	0
California:									
Los Angeles.....	3	2	0	0	0	0	1	1	0
Sacramento.....	1	0	0	0	0	0	0	0	0
San Francisco.....	2	1	0	1	0	0	0	0	0

The following table gives the rates per 100,000 population for 98 cities for the 5-week period ended January 25, 1930, compared with those for a like period ended January 26, 1929. The population figures used in computing the rates are approximate estimates, authoritative figures for many of the cities not being available. The 98 cities reporting cases have an estimated aggregate population of more than 32,000,000. The 91 cities reporting deaths have more than 30,500,000 estimated population.

Summary of weekly reports from cities, December 22, 1929, to January 25, 1930—Annual rates per 100,000 population, compared with rates for the corresponding period of 1928-29 ¹

DIPHTHERIA CASE RATES

	Week ended—									
	Dec. 23, 1929	Dec. 29, 1929	Jan. 4, 1930	Jan. 5, 1930	Jan. 11, 1930	Jan. 12, 1929	Jan. 18, 1930	Jan. 19, 1929	Jan. 25, 1930	Jan. 26, 1929
98 cities.....	120	133	117	148	118	139	110	² 132	³ 114	125
New England.....	127	170	136	163	156	183	122	177	146	200
Middle Atlantic.....	113	156	96	178	113	157	94	158	96	136
East North Central.....	166	133	155	153	130	124	127	² 107	145	122
West North Central.....	67	119	114	161	123	158	108	146	82	115
South Atlantic.....	79	105	96	111	83	118	103	99	106	79
East South Central.....	109	105	112	88	79	190	67	171	74	137
West South Central.....	178	174	201	111	170	119	205	76	157	114
Mountain.....	35	18	52	70	69	87	51	61	³ 51	52
Pacific.....	85	43	120	60	85	67	94	104	92	92

¹ The figures given in this table are rates per 100,000 population, annual basis, and not the number of cases reported. Populations used are estimated as of July 1, 1930, 1929, and 1928, respectively.

² South Bend, Ind., not included.

³ Denver, Colo., not included.

Summary of weekly reports from cities, December 22, 1929, to January 25, 1930—
Annual rates per 100,000 population, compared with rates for the corresponding
period of 1928-29—Continued

MEASLES CASE RATES

	Week ended—									
	Dec. 23, 1929	Dec. 29, 1929	Jan. 4, 1930	Jan. 5, 1929	Jan. 11, 1930	Jan. 12, 1929	Jan. 18, 1930	Jan. 19, 1929	Jan. 25, 1930	Jan. 26, 1929
98 cities.....	92	161	130	196	176	235	208	218	227	261
New England.....	90	676	125	964	112	873	157	700	210	667
Middle Atlantic.....	51	77	76	80	116	94	124	70	117	86
East North Central.....	97	206	118	230	153	315	152	303	137	381
West North Central.....	146	201	277	198	303	394	364	423	457	627
South Atlantic.....	30	73	152	114	118	66	167	84	157	84
East South Central.....	0	0	7	14	13	7	40	84	27	24
West South Central.....	91	4	101	24	325	43	400	11	24	34
Mountain.....	78	106	197	383	146	427	240	853	377	871
Pacific.....	337	84	315	40	517	115	676	56	730	75

SCARLET FEVER CASE RATES

98 cities.....	217	183	249	195	271	221	278	225	295	230
New England.....	301	308	377	296	397	317	363	294	419	317
Middle Atlantic.....	164	138	186	148	232	190	223	183	239	217
East North Central.....	311	220	344	239	352	251	398	258	379	262
West North Central.....	179	262	248	256	216	283	260	248	307	296
South Atlantic.....	144	132	186	154	201	124	198	122	176	114
East South Central.....	75	182	125	197	106	156	101	232	169	232
West South Central.....	126	162	89	142	120	182	134	183	105	99
Mountain.....	322	27	378	113	481	157	335	183	479	104
Pacific.....	254	151	271	185	281	282	276	377	402	258

SMALLPOX CASE RATES

98 cities.....	18	4	20	3	29	5	33	7	26	8
New England.....	0	2	0	0	0	2	0	0	4	0
Middle Atlantic.....	0	0	0	1	0	0	0	0	1	0
East North Central.....	20	3	16	6	27	3	36	6	19	8
West North Central.....	58	10	80	2	89	6	121	13	70	2
South Atlantic.....	2	2	2	0	0	2	5	6	2	7
East South Central.....	7	7	0	7	7	41	0	7	0	14
West South Central.....	28	12	15	4	43	16	41	46	37	46
Mountain.....	44	35	52	35	43	4	51	17	34	61
Pacific.....	80	15	107	5	170	.	144	17	177	19

TYPHOID FEVER CASE RATES

98 cities.....	4	5	3	4	3	4	6	4	4	4
New England.....	2	2	2	5	0	2	4	4	0	2
Middle Atlantic.....	3	4	1	1	3	4	3	4	5	2
East North Central.....	1	4	3	3	2	1	3	13	3	4
West North Central.....	2	6	0	0	2	0	11	2	2	4
South Atlantic.....	9	6	6	9	9	5	5	6	7	2
East South Central.....	34	7	7	0	7	7	13	21	20	7
West South Central.....	0	8	0	4	4	28	7	8	4	23
Mountain.....	8	8	9	9	0	0	60	0	17	0
Pacific.....	10	9	10	7	5	0	5	2	2	10

†South Bend, Ind., not included.
‡Denver, Colo., not included.

Summary of weekly reports from cities, December 22, 1929, to January 25, 1930—
Annual rates per 100,000 population, compared with rates for the corresponding
period of 1928-29—Continued

INFLUENZA DEATH RATES

	Week ended—									
	Dec. 23, 1929	Dec. 29, 1928	Jan. 4, 1930	Jan. 5, 1929	Jan. 11, 1930	Jan. 12, 1929	Jan. 18, 1930	Jan. 19, 1929	Jan. 25, 1930	Jan. 26, 1929
91 cities.....	19	180	17	234	19	241	19	2 183	2 22	131
New England.....	9	14	7	48	0	100	9	141	9	204
Middle Atlantic.....	13	129	10	165	14	161	15	152	14	134
East North Central.....	13	201	15	238	12	236	17	2 148	17	70
West North Central.....	15	254	27	240	30	165	27	123	18	69
South Atlantic.....	26	281	18	343	31	395	22	288	31	182
East South Central.....	30	268	29	970	65	1,592	44	948	59	619
West South Central.....	97	379	79	596	64	467	65	320	111	199
Mountain.....	26	266	17	218	43	165	26	157	2 0	70
Pacific.....	20	182	13	134	15	79	15	75	18	44

PNEUMONIA DEATH RATES

91 cities.....	144	315	170	383	167	408	155	2 366	2 142	327
New England.....	95	159	163	201	170	323	115	442	126	465
Middle Atlantic.....	155	294	181	395	192	443	167	446	135	454
East North Central.....	116	382	115	466	122	414	109	2 280	111	184
West North Central.....	174	364	195	216	192	265	207	241	148	189
South Atlantic.....	152	344	221	360	177	485	170	474	196	388
East South Central.....	193	261	251	533	136	659	162	455	221	358
West South Central.....	243	406	329	670	210	528	237	383	310	297
Mountain.....	209	363	180	174	223	200	249	200	2 171	157
Pacific.....	108	169	118	148	147	134	169	119	95	123

¹ South Bend, Ind., not included.

² Denver, Colo., not included.

FOREIGN AND INSULAR

CANADA

Provinces—Communicable diseases—Week ended January 18, 1930.—
The Department of Pensions and National Health reports cases of certain communicable diseases in the Provinces of Canada for the week ended January 18, 1930, as follows:

Province	Cerebro- spinal fever	Influenza	Polio- myelitis	Smallpox	Typhoid fever
Prince Edward Island ¹					
Nova Scotia.....		1			
New Brunswick.....					1
Quebec.....	1				3
Ontario.....	2	3	1	19	3
Manitoba.....	1			1	
Saskatchewan.....				12	1
Alberta.....	2			4	1
British Columbia.....				3	
Total.....	6	4	1	39	9

¹ No case of any diseases included in the table was reported during the week.

*Quebec Province—Communicable diseases—Week ended January 25, 1930.—*The Bureau of Health of the Province of Quebec, Canada, reports cases of certain communicable diseases for the week ended January 25, 1930, as follows:

Disease	Cases	Disease	Cases
Cerebrospinal meningitis.....	1	Ophthalmia neonatorum.....	2
Chicken pox.....	137	Scarlet fever.....	118
Diphtheria.....	71	Smallpox.....	1
German measles.....	5	Tuberculosis.....	51
Influenza.....	30	Typhoid fever.....	5
Measles.....	183	Whooping cough.....	159
Mumps.....	136		

*Quebec Province—Vital statistics—October, 1929.—*Births, deaths, and marriages for the month of October, 1929, in the Province of Quebec, Canada, with deaths from certain principal causes, are shown in the following table:

Estimated population.....	2,691,000	Deaths from—Continued.	
Births.....	5,898	Heart disease.....	321
Birth rate per 1,000 population.....	25.8	Influenza.....	37
Deaths.....	2,819	Lethargic encephalitis.....	1
Death rate per 1,000 population.....	12.3	Measles.....	7
Marriages.....	1,989	Pneumonia.....	245
Deaths under 1 year.....	746	Polio-myelitis.....	1
Deaths under 1 year per 1,000 births.....	126.5	Scarlet fever.....	9
Deaths from—		Syphilis.....	8
Cancer.....	165	Tuberculosis (pulmonary).....	175
Cerebrospinal meningitis.....	9	Tuberculosis (all other forms).....	51
Diabetes.....	37	Typhoid fever.....	18
Diarrhea.....	187	Violence.....	96
Diphtheria.....	27	Whooping cough.....	36

CZECHOSLOVAKIA

Communicable diseases—November, 1929.—During the month of November, 1929, certain communicable diseases were reported in Czechoslovakia as follows:

Disease	Cases	Deaths	Disease	Cases	Deaths
Anthrax.....	8	1	Paratyphoid fever.....	18	-----
Cerebrospinal meningitis.....	11	5	Puerperal fever.....	60	22
Diphtheria.....	2,940	146	Scarlet fever.....	2,985	67
Dysentery.....	136	14	Trachoma.....	267	-----
Malaria.....	6	-----	Typhoid fever.....	950	86

MEXICO

Vera Cruz—Communicable diseases—Six weeks ended January 25, 1930.—During the six weeks ended January 25, 1930, deaths from certain communicable diseases were reported in Vera Cruz, Mexico, as follows:

Disease	Week ended—					
	Dec. 21, 1929	Dec. 28, 1929	Jan. 4, 1930	Jan. 11, 1930	Jan. 18, 1930	Jan. 25, 1930
Bronchitis.....	1	-----	1	-----	1	-----
Cancer.....	-----	1	2	1	-----	-----
Cerebrospinal meningitis.....	-----	-----	-----	-----	1	-----
Dysentery.....	-----	-----	-----	-----	-----	1
Erysipelas.....	-----	-----	-----	-----	1	-----
Gastro-intestinal fever.....	10	10	5	17	10	4
Hookworm disease.....	2	-----	1	-----	1	-----
Influenza.....	-----	-----	1	-----	-----	1
Malaria.....	1	1	-----	-----	-----	-----
Pneumonia.....	3	2	2	2	2	-----
Syphilis.....	2	-----	1	1	1	-----
Tetanus.....	1	-----	-----	-----	-----	1
Tuberculosis.....	7	5	9	6	7	7
Typhoid fever.....	-----	1	-----	-----	1	1

Place	Autumn, 1929	September, 1929	October, 1929	November, 1929	December, 1929	January, 1930
Union of South Africa:						
Cape Province.....	C	17	13	4		
Orange Free State.....	D	13	7	1	5	
On vessel:	D	4	4		3	
S. S. Chaban, at Port Said, from Jaffa.....						1
Steamship at Porto Novo, from Lagos.....	C	1				
At Rio de Janeiro, Brazil, from Argentina.....	C	1				
British East Africa (see also table above):						
Kenya.....	C	19	28	146	157	15
Uganda.....	D	866	740	7	12	14
Ecuador: Guayaquil.....	D	0	3	4	3	6
Greece (see also table above):	D	1	4	9	9	13
Plague-infected rats.....	D	4	8	5	2	1
Indo-China (see also table above).....	C	2	2	2	1	
Madagascar (see also table above).....	D	1	2	2	1	
Ambostera Province.....	C	9	195	203		4
Antisrabe Province.....	D	48	182	103		
Itasy Province.....	D	9	9	2		
Majunga Province.....	D	9	9	2		
Miarinarivo.....	D	1	13	17		
Tlivaouane I.....	D	1	13	17		
Senegal:						
Bacul.....	D	5	5			
Dakar I.....	C	32	42	45	23	5
Lougua I.....	D	13	24	13	16	2
Rufisque I.....	C	76	26	3	17	8
Thies I.....	D	65	17	2	5	1
Tivaouane I.....	D	121	108	41		
Moramanga Province.....	D	70	64	24	1	
Tamanarivo Province.....	D	1	1			
Peru.....	D	53	34	3		
Moramanga Province.....	D	33	28	3		
Tamanarivo Province.....	D	188	119	41	8	
Peru.....	D	119	55	21	4	

! Incomplete reports.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

SMALLPOX—Continued

[C indicates cases; D, deaths; P, present]

Place	July, 1929	August, 1929	September, 1929	October, 1929	November, 1929			December, 1929			Jan. 1-10, 1930	
					1-10	11-20	21-30	1-10	11-20	21-31		
Belgian Congo.....			725									
Dahomey.....	C		19									
Indo-China (see also table above).....	D			4								
Ivory Coast.....	C	159	64	128	245	19	19	142				136
Sudan (French).....	C	22	2									
Syria: Beirut.....	C	15	2									
	C	27	29	28	22	16	10	17	9	6		19
	D			1	6							

Place	August, 1929	September, 1929	October, 1929	November, 1929	December, 1929	January, 1930
Mexico: Durango (see also table above).....					D	
Morocco.....					C	
Persia.....					C	
Turkey.....					D	

Place	August, 1929	September, 1929	October, 1929	November, 1929	December, 1929	January, 1930
Bolivia: La Paz.....						
British East Africa (see also table above):			120	22		
Kenya.....	C	66				
Chosen.....	C	1		1		
	D	1				

TYPHUS FEVER

[C indicates cases; D, deaths; F, present]

Place	Week ended—													
	July 1929		Aug. 1929		Sept. 1929		October 1929		November 1929		December 1929		January 1930	
	28-31	24-27	25-28	21-24	18-21	15-18	12-15	9-12	6-9	3-6	28-31	25-28	22-25	19-22
Algeria:														
Algiers.....														
Constantine Department.....														
Oran.....														
Bolivia:														
La Paz.....														
Pacajes Province—Calacoto Canton.....														
Brazil: Sao Paulo. ¹														
Bulgaria:														
Sofia.....														
Chile: Valparaiso.....														
China: Tientsin.....														
Chosen (see table below)														
Czechoslovakia (see table below)														
Egypt:														
Alexandria.....														
Assuan.....														
Beheira Province.....														
Cairo.....														
Dakahlieh.....														
Port Said.....														
Suez.....														
Greece (see table below)														
Iraq: Bagdad Liwa.....														
Ireland (Irish Free State): Donegal County—Dunfanaghy.....														
Latvia (see table below)														
Lithuania (see table below)														

¹ Press reports show that 10 deaths from typhus fever have occurred in Sao Paulo, Brazil, from Nov. 3 to 30, 1929.

Place	July, 1929	August, 1929	Sep-tember, 1929	October, 1929	November, 1929	December, 1929
Chosen: Seoul.....			1			
Czechoslovakia.....			1		3	
France.....			1			1
Greece: Athens.....		6	3	7		
Istria.....		7	3	6	4	
Lithuania.....	10	1				
Peru: Arequipa.....						D
Turkey.....						D
Yugoslavia.....						D

YELLOW FEVER

Since August 1, 1929, the following cases of yellow fever have been reported: Nictheroy, Brazil, 1 case; Rio de Janeiro, Brazil, 2 cases; Monrovia, Liberia, 1 case. All occurred during the month of September, 1929.